



12 February 1999

Chemical Physics Letters 300 (1999) 752–763

**CHEMICAL
PHYSICS
LETTERS**

Author index to volume 300

Ahern, M.M., D.A. Steinhurst and M.A. Smith, Rotational relaxation of CO in He, Ar, N₂ and CO free jets 300 (1999) 681

Ahlskog, M., E. Seynaeve, R.J.M. Vullers, C. Van Haesendonck, A. Fonseca, K. Hernadi and J.B. Nagy, Ring formations from catalytically synthesized carbon nanotubes 300 (1999) 202

Aida, M., see Yamataka, H. 300 (1999) 583

Akiyama, K., see Sueki, K. 300 (1999) 140

Alyea, E.C., see Wei, X. 300 (1999) 385

Ambe, F., see Sueki, K. 300 (1999) 140

Ambe, S., see Sueki, K. 300 (1999) 140

Andrievsky, G.V., V.K. Klochkov, E.L. Karyakina and N.O. Mchedlov-Petrossyan, Studies of aqueous colloidal solutions of fullerene C₆₀ by electron microscopy 300 (1999) 392

Aratono, Y., see Komaguchi, K. 300 (1999) 257

Argollo de Menezes, M., see Gutterres, R.F. 300 (1999) 131

Asahi, T., see Hatanaka, K. 300 (1999) 727

Asaro, F., R. Gobetto, L. Liguori and G. Pellizer, Solution ³¹P and ⁵⁹Co and solid-state ³¹P CP/MAS NMR studies of triphenylphosphinecobaloximes 300 (1999) 414

Aschenbrücker, J., see Ma, Y.-Z. 300 (1999) 465

Asmus, K.-D., see Brezová, V. 300 (1999) 667

Bachels, T. and R. Schäfer, Formation enthalpies of Sn clusters: a calorimetric investigation 300 (1999) 177

Bacsikay, G.B., M. Martoprawiro and J.C. Mackie, The thermal decomposition of pyrrole: an ab initio quantum chemical study of the potential energy surface associated with the hydrogen cyanide plus propyne channel 300 (1999) 321

Ball, C.D. and F.C. De Lucia, Direct observation of Λ-doublet and hyperfine branching ratios for rotationally inelastic collisions of NO–He at 4.2 K 300 (1999) 227

Barborini, E., P. Piseri, A. Li Bassi, A.C. Ferrari, C.E. Bottani and P. Milani, Synthesis of carbon films with controlled nanostructure by separation of neutral clusters in supersonic beams 300 (1999) 633

Bauschlicher Jr., C.W. and H. Partridge, The atomization energy of Mg₄ 300 (1999) 364

Beck, C., see Hauschmidt, J. 300 (1999) 569

Becker, K.H., C. Dinis, H. Geiger and P. Wiesen, Kinetics of the reaction of OH with di-*n*-butoxymethane (DBM) in the range 298–710 K 300 (1999) 460

Berard, D.R., see Pavese, M. 300 (1999) 93

Berg, A., see Shuali, Z. 300 (1999) 687

Bernshtein, V. and I. Oref, Energy release in benzene–argon cluster dissociation – quasiclassical trajectory calculations 300 (1999) 104

Binnemans, K., R. Van Deun, D.W. Bruce and Yu.G. Galyametdinov, Influence of the lanthanide contraction on the transition temperatures of rare-earth containing metallomesogens with Schiff base ligands 300 (1999) 509

Boelens, R., see Karimi-Nejad, Y. 300 (1999) 706

Borzsák, I. and P.T. Cummings, Molecular dynamics simulation of ice XII 300 (1999) 359

Bottani, C.E., see Barborini, E. 300 (1999) 633

Braun, M., see Herwig, A. 300 (1999) 269

Brezová, V., A. Staško, D. Dvoranová, K.-D. Asmus and D.M. Guldi, Photochemical reduction of C_{60} derivatives in aqueous systems containing titanium dioxide or ascorbic acid (EPR study) 300 (1999) 667

Broitman, E., see Suenaga, K. 300 (1999) 695

Bröring, M., see Shuali, Z. 300 (1999) 687

Bruce, D.W., see Binnemans, K. 300 (1999) 509

Cai, Z.-L. and J.P. François, Ab initio study of the lowest $^3\Sigma^-$, $^3\Pi$ and $^1\Sigma^+$ states of the SiN^+ cation 300 (1999) 69

Calvo, F., see Zhang, F.S. 300 (1999) 595

Carrick, P.G., see Presilla-Márquez, J.D. 300 (1999) 719

Casarini, M., C. Maccato and A. Vittadini, A comparative study of the NH_3 chemisorption on $ZnO(10\bar{1}0)$ and $Cu_2O(111)$ non-polar surfaces 300 (1999) 403

Cavell, R.G., see Neville, J.J. 300 (1999) 451

Cazzoli, G., see Dore, L. 300 (1999) 489

Chabalowski, C.F., see Manaa, M.R. 300 (1999) 619

Chattopadhyay, S., see Mohan, H. 300 (1999) 493

Cheetham, A.K., see Satishkumar, B.C. 300 (1999) 473

Chen, G.H., see Yokojima, S. 300 (1999) 540

Choho, K., see Safi, B. 300 (1999) 85

Choi, Y.S., see Yoon, M.-C. 300 (1999) 207

Colliex, C., see Suenaga, K. 300 (1999) 695

Coriani, S., P. Jørgensen, A. Rizzo, K. Ruud and J. Olsen, Ab initio determinations of magnetic circular dichroism 300 (1999) 61

Cummings, P.T., see Borzsák, I. 300 (1999) 359

Dang, H., see Wang, X. 300 (1999) 739

Danieli, R., see Tamassia, F. 300 (1999) 478

Daudey, J.-P., see Ismail, N. 300 (1999) 296

Davidson, E.R., see Jaręcki, A.A. 300 (1999) 44

Delaire, J., see Dupuis, B. 300 (1999) 169

De Lucia, F.C., see Ball, C.D. 300 (1999) 227

Dentan, V., see Dupuis, B. 300 (1999) 169

De Proft, F., see Safi, B. 300 (1999) 85

Dinis, C., see Becker, K.H. 300 (1999) 460

Domcke, W., see Sobolewski, A.L. 300 (1999) 533

Dore, L., C.D. Esposti, A. Mazzavillani and G. Cazzoli, Pure rotational spectra of $^{32}SD_3^+$ and $^{34}SD_3^+$. Determination of the substitution structure of the sulphonium ion 300 (1999) 489

Dubernet, M.-L. and P.A. Tuckey, Raman Q and S line broadening and shifting coefficients: some commonly used assumptions revisited 300 (1999) 275

Dulieu, O., see Gutterres, R.F. 300 (1999) 131

Dupuis, B., C. Michaut, I. Jouanin, J. Delaire, P. Robin, P. Feneyrou and V. Dentan, Photoinduced intramolecular charge-transfer systems based on porphyrin-viologen dyads for optical limiting 300 (1999) 169

Dupuis, M., see Yamataka, H. 300 (1999) 583

Düren, R., see Hauschmidt, J. 300 (1999) 569

Dvoranová, D., see Brezová, V. 300 (1999) 667

Ehrenfreund, E., see Lifshitz, E. 300 (1999) 626

Engel, V., see Herwig, A. 300 (1999) 269

Engelhardt, G., see Markgraber, D. 300 (1999) 701

Enríquez, P.A., see González, M. 300 (1999) 603

Espinosa, E., C. Lecomte and E. Molins, Experimental electron density overlapping in hydrogen bonds: topology vs. energetics 300 (1999) 745

Esposti, C.D., see Dore, L. 300 (1999) 489

Eustatiu, I.G., T. Tyliszczak and A.P. Hitchcock, Inner-shell electron energy-loss spectroscopy of SF₆ at very high momentum transfer 300 (1999) 676

Falcetta, M.F. and K.D. Jordan, Ab initio investigation of the temporary anion states of silane and the linear silanes: (Si_nH_{2n+2}), n = 2-5 300 (1999) 588

Fan, H.-J. and C.-W. Liu, Ab initio and DFT studies on the structure and binding interaction of M⁺CO₂ (M = Sc, Ti, ..., Zn) 300 (1999) 351

Fehrensen, B., D. Luckhaus and M. Quack, Mode selective stereomutation tunnelling in hydrogen peroxide isotopomers 300 (1999) 312

Feldman, V.I., F.F. Sukhov and A.Yu. Orlov, An ESR study of benzene radical cation in an argon matrix: evidence for favourable stabilization of ²B_{1g} rather than ²B_{2g} state 300 (1999) 713

Fellows, C.E., see Gutterres, R.F. 300 (1999) 131

Feneyrou, P., see Dupuis, B. 300 (1999) 169

Ferrari, A.C., see Barborini, E. 300 (1999) 633

Ferrari, C., see Tombari, E. 300 (1999) 749

Fischer, R.A., see Schäfer, J. 300 (1999) 152

Flahaut, E., A. Govindaraj, A. Peigney, Ch. Laurent, A. Rousset and C.N.R. Rao, Synthesis of single-walled carbon nanotubes using binary (Fe, Co, Ni) alloy nanoparticles prepared in situ by the reduction of oxide solid solutions 300 (1999) 236

Flammang, R., P. Gerbaux and M.W. Wong, Identification of singlet and triplet SCNO⁺ cations in the gas phase: theory and experiment 300 (1999) 183

Fonseca, A., see Ahlskog, M. 300 (1999) 202

Fowler, C., see Shuali, Z. 300 (1999) 687

Fowler, P.W., T. Heine, K.M. Rogers, J.P.B. Sandall, G. Seifert and F. Zerbetto, C₃₆, a hexavalent building block for fullerene compounds and solids 300 (1999) 369

Francisco, J.S. and J.W. Thoman Jr., Adiabatic ionization potential and electron affinity of formaldehyde 300 (1999) 553

François, J.P., see Cai, Z.-L. 300 (1999) 69

Franks, K.J., see Li, H. 300 (1999) 247

Fujishima, A., see Nakabayashi, S. 300 (1999) 409

Fukumura, H., see Hatanaka, K. 300 (1999) 727

Galyametdinov, Yu.G., see Binnemans, K. 300 (1999) 509

Gannon, T.J., M. Tassotto and P.R. Watson, Orientation of molecules at a liquid surface revealed by ion scattering and recoiling spectroscopy 300 (1999) 163

Geerlings, P., see Safi, B. 300 (1999) 85
 Geiger, H., see Becker, K.H. 300 (1999) 460
 Gerbaux, P., see Flammang, R. 300 (1999) 183
 Gillbro, T., see Ma, Y.-Z. 300 (1999) 465
 Gobetto, R., see Asaro, F. 300 (1999) 414
 González, M., D. Troya, M.P. Puyuelo, R. Sayós and P.A. Enríquez, The dynamics of the $O(^1D) + N_2O \rightarrow NO + NO$ reaction revisited: a QCT study on model potential energy surfaces 300 (1999) 603
 Gorceac, L.L., see Klokishner, S.I. 300 (1999) 613
 Govindaraj, A., see Flahaut, E. 300 (1999) 236
 Govindaraj, A., see Satishkumar, B.C. 300 (1999) 473
 Grabowski, I., see Meissner, L. 300 (1999) 53
 Grebenschikov, S.Yu., see Hauschmidt, J. 300 (1999) 569
 Gu, G., see He, L. 300 (1999) 504
 Gu, Y., see Wang, B. 300 (1999) 99
 Gu, Z., see Wang, X. 300 (1999) 739
 Guldi, D.M., see Brezová, V. 300 (1999) 667
 Gutowski, M. and P. Skurski, Electron binding energies in linear dipole-bound $(HCN)_n^-$ ($n = 2-5$) anions 300 (1999) 331
 Gutterres, R.F., M. Argollo de Menezes, C.E. Fellows and O. Dulieu, Generalized simulated annealing method in the analysis of atom-atom interaction 300 (1999) 131
 Halas, N.J., see Westcott, S.L. 300 (1999) 651
 Hammerum, S., Heats of formation and proton affinities by the G3 method 300 (1999) 529
 Han, K.-L., see Zhang, H. 300 (1999) 483
 Harigaya, K., Optical excitations in fractal antenna supermolecules with conjugated electrons: extended dendrimers 300 (1999) 33
 Harikumar, K.R., see Satishkumar, B.C. 300 (1999) 473
 Harper, J., see Presilla-Márquez, J.D. 300 (1999) 719
 Hasegawa, K., T. Ono, Y. Inoue and M. Kusunoki, Spin-exchange interactions in the S_2 -state manganese tetramer in photosynthetic oxygen-evolving complex deduced from $g = 2$ multiline EPR signal 300 (1999) 9
 Hatanaka, K., T. Itoh, T. Asahi, N. Ichinose, S. Kawanishi, T. Sasuga, H. Fukumura and H. Masuhara, Time-resolved ultraviolet-visible absorption spectroscopic study on femtosecond KrF laser ablation of liquid benzyl chloride 300 (1999) 727
 Hauschmidt, J., J. Weiß, C. Beck, S.Yu. Grebenschikov, R. Düren, R. Schinke and J. Koput, Unimolecular dissociation of HOCl: unexpectedly broad distribution of rate constants 300 (1999) 569
 He, G.-Z., see Zhang, H. 300 (1999) 483
 He, L., Z.X. Shen, G. Gu, L. Qin and S.H. Tang, Luminescence due to the indirect band-gap transition activated by the inter-valence transition of Se clusters confined in 13X zeolite 300 (1999) 504
 Heine, T., see Fowler, P.W. 300 (1999) 369
 Hellgren, N., see Suenaga, K. 300 (1999) 695
 Hernadi, K., see Ahlskog, M. 300 (1999) 202
 Herwig, A., M. Braun and V. Engel, Structures in molecular photofragment and photo-electron distributions from two-photon non-resonant excitation 300 (1999) 269
 Hess, P., see Wetterauer, U. 300 (1999) 397

Heully, J.-L., see Ismail, N. 300 (1999) 296

Hino, S., K. Umishita, K. Iwasaki, T. Miyamae, M. Inakuma and H. Shinohara, Ultraviolet photoelectron spectra of $\text{Sc}@\text{C}_{82}$ 300 (1999) 145

Hirao, K., see Nakayama, K. 300 (1999) 303

Hitchcock, A.P., see Eustatiu, I.G. 300 (1999) 676

Hitchcock, A.P., see Neville, J.J. 300 (1999) 451

Hoffmann, M.R., see Khait, Y.G. 300 (1999) 289

Hong, M., see Sandström, D. 300 (1999) 213

Hou, H., see Wang, B. 300 (1999) 99

Hu, C., see Wei, X. 300 (1999) 385

Hultman, L., see Suenaga, K. 300 (1999) 695

Ichikawa, T., see Takada, T. 300 (1999) 253

Ichinose, N., see Hatanaka, K. 300 (1999) 727

Ikeda, T., see Kodaira, T. 300 (1999) 499

Inakuma, M., see Hino, S. 300 (1999) 145

Inakuma, M., see Wang, C.-R. 300 (1999) 379

Inoue, Y., see Hasegawa, K. 300 (1999) 9

Ishitobi, H., Z. Sekkat and S. Kawata, Individualized optically induced orientation of photochemical isomers 300 (1999) 421

Ismail, N., J.-L. Heully, T. Saue, J.-P. Daudey and C.J. Marsden, Theoretical studies of the actinides: method calibration for the UO_2^{2+} and PuO_2^{2+} ions 300 (1999) 296

Itoh, T., see Hatanaka, K. 300 (1999) 727

Iwasaki, K., see Hino, S. 300 (1999) 145

Jander, P., see Kück, S. 300 (1999) 189

Jaręcki, A.A. and E.R. Davidson, Density functional theory calculations for F^- 300 (1999) 44

Jeloaica, L. and V. Sidis, DFT investigation of the adsorption of atomic hydrogen on a cluster-model graphite surface 300 (1999) 157

Jigato, M.P., D.A. King and A. Yoshimori, The chemisorption of spin polarised NO on $\text{Ag}\{511\}1$ 300 (1999) 639

Johansson, M.P., see Suenaga, K. 300 (1999) 695

Jordan, K.D., see Falcetta, M.F. 300 (1999) 588

Jørgensen, P., see Coriani, S. 300 (1999) 61

Jouanin, I., see Dupuis, B. 300 (1999) 169

Jungwirth, P., see Slavíček, P. 300 (1999) 561

Jürgensen, A., see Neville, J.J. 300 (1999) 451

Kaplan, A., see Lifshitz, E. 300 (1999) 626

Karimi-Nejad, Y., F. Löhr, D. Schipper, H. Rüterjans and R. Boelens, Gradient-purged isotope filter experiments for the detection of bound water in proteins 300 (1999) 706

Karyakina, E.L., see Andrievsky, G.V. 300 (1999) 392

Katada, M., see Sueki, K. 300 (1999) 140

Katoh, R. and M. Kotani, Fluorescence from the second excited state of an anthracene crystal observed by two-step excitation 300 (1999) 734

Katz, G., see Zeiri, Y. 300 (1999) 523

Kawanishi, S., see Hatanaka, K. 300 (1999) 727

Kawata, S., see Ishitobi, H. 300 (1999) 421

Kentgens, A.P.M. and R. Verhagen, Advantages of double frequency sweeps in static, MAS and MQMAS NMR of spin $I = 3/2$ nuclei 300 (1999) 435

Keshavamurthy, S., Scaling of the average survival probability for low dimensional systems 300 (1999) 281

Khait, Y.G. and M.R. Hoffmann, Analytic derivative methods for evaluating nonadiabatic coupling matrix elements within the SC-QDPT method 300 (1999) 289

Kiguchi, M., see Terada, S. 300 (1999) 645

Kikuchi, K., see Sueki, K. 300 (1999) 140

Kim, S.K., see Yoon, M.-C. 300 (1999) 207

King, D.A., see Jigato, M.P. 300 (1999) 639

Kitajima, Y., see Terada, S. 300 (1999) 645

Klochkov, V.K., see Andrievsky, G.V. 300 (1999) 392

Klokishner, S.I. and L.L. Gorceac, Nuclear quadrupole resonance of mixed-valence charge-ordered dimers 300 (1999) 613

Kodaira, T., T. Ikeda and H. Takeo, Incorporation of AgI clusters into the cages of zeolites LTA and FAU observed by optical spectra and X-ray diffraction patterns 300 (1999) 499

Koga, T., see Matsuyama, H. 300 (1999) 515

Koizumi, H., see Takada, T. 300 (1999) 253

Komaguchi, K., T. Kumada, T. Takayanagi, Y. Aratono, M. Shiotani and T. Miyazaki, H atom-H₂ molecule van der Waals complexes in solid argon matrix by high-resolution ESR spectroscopy 300 (1999) 257

Komatsu, K., see Ohtsuki, T. 300 (1999) 661

Kong, W., see Li, H. 300 (1999) 247

Koput, J., see Hauschmidt, J. 300 (1999) 569

Kosloff, R., see Zeiri, Y. 300 (1999) 523

Kotani, M., see Katoh, R. 300 (1999) 734

Koyama, K., see Saito, N. 300 (1999) 262

Kück, S. and P. Jander, Luminescence from V³⁺ in tetrahedral oxo-coordination 300 (1999) 189

Kumada, T., see Komaguchi, K. 300 (1999) 257

Kusunoki, M., see Hasegawa, K. 300 (1999) 9

Lapinski, L. and M. Vala, Linear C₁₁ cluster: an isotopic infrared study 300 (1999) 195

Larson, C.W., see Presilla-Márquez, J.D. 300 (1999) 719

Laurent, Ch., see Flahaut, E. 300 (1999) 236

Lecomte, C., see Espinosa, E. 300 (1999) 745

Lee, T.R., see Westcott, S.L. 300 (1999) 651

Levanon, H., see Shuali, Z. 300 (1999) 687

Li, H., K.J. Franks and W. Kong, Photodissociation of ICN in a brute-force field: detection of the (I^{*} $^2P_{1/2}$) product 300 (1999) 247

Lian, L.-Y., see Norwood, T.J. 300 (1999) 429

Li Bassi, A., see Barborini, E. 300 (1999) 633

Lifshitz, E., A. Kaplan, E. Ehrenfreund and D. Meissner, Optically detected magnetic resonance as a tool to study the morphology of perylene-derivative thin film 300 (1999) 626

Liguori, L., see Asaro, F. 300 (1999) 414

Lindh, R., see Nakayama, K. 300 (1999) 303

Liu, C.-W., see Fan, H.-J. 300 (1999) 351

Löhr, F., see Karimi-Nejad, Y. 300 (1999) 706

Lou, N.-Q., see Zhang, H. 300 (1999) 483

Lu, X., X. Xu, N. Wang and Q. Zhang, A quantum chemical study of the NO/MgO chemisorption system: hybrid B3LYP calculations on NO/(MgO)_n (*n* = 4,6,8) model systems 300 (1999) 109

Luckhaus, D., see Fehrensen, B. 300 (1999) 312

Ma, Y.-Z., J. Aschenbrücker, M. Miller and T. Gillbro, Ground-state vibrational coherence in chlorosomes of the green sulfur photosynthetic bacterium *Chlorobium phaeobacteroides* 300 (1999) 465

Maccato, C., see Casarin, M. 300 (1999) 403

Mackie, J.C., see Bacska, G.B. 300 (1999) 321

Maity, D.K., see Mohan, H. 300 (1999) 493

Manaa, M.R. and C.F. Chabalowski, A theoretical treatment of the intersystem crossing in the spin-forbidden reaction NO(X²Π) + CO(X¹Σ⁺) → N(⁴S) + CO₂(X¹Σ_g⁺) 300 (1999) 619

Markgraber, D. and G. Engelhardt, ³⁹K MAS NMR of KNiF₃: unexpected spin density at the potassium and first MAS NMR experiments in the antiferromagnetic state 300 (1999) 701

Marsden, C.J., see Ismail, N. 300 (1999) 296

Martoprawiro, M., see Bacska, G.B. 300 (1999) 321

Masuhara, H., see Hatanaka, K. 300 (1999) 727

Masumoto, K., see Ohtsuki, T. 300 (1999) 661

Matsuyama, H. and T. Koga, Electron-pair densities of singly charged atoms 300 (1999) 515

Mattar, S.M., Calculation of the ¹H, ¹³C, ¹⁴N and ³³S hyperfine tensors of the 1,3,2-dithiazol-2-yl radical using hybrid density functionals 300 (1999) 545

Mazzavillani, A., see Dore, L. 300 (1999) 489

Mchedlov-Petrossyan, N.O., see Andrievsky, G.V. 300 (1999) 392

Meider, H. and M. Springborg, Constrained density-functional calculations for delocalized electrons: Hubbard parameters for polyacetylene 300 (1999) 339

Meissner, D., see Lifshitz, E. 300 (1999) 626

Meissner, L. and I. Grabowski, A coupled-cluster correction to the multi-reference configuration interaction method 300 (1999) 53

Meleshko, V., Yu. Morokov and V. Schweigert, Structure of small hydrogenated silicon clusters: global search of low-energy states 300 (1999) 118

Michaut, C., see Dupuis, B. 300 (1999) 169

Milani, P., see Barborini, E. 300 (1999) 633

Miller, M., see Ma, Y.-Z. 300 (1999) 465

Miller, W.H., see Skinner, D.E. 300 (1999) 20

Mittal, J.P., see Mohan, H. 300 (1999) 493

Miyamae, T., see Hino, S. 300 (1999) 145

Miyazaki, T., see Komaguchi, K. 300 (1999) 257

Mohan, H., D.K. Maity, S. Chattopadhyay and J.P. Mittal, Transformation of OH-adduct of 1-chloro-4-iodobutane into intra-molecular radical cation in neutral aqueous solution 300 (1999) 493

Molins, E., see Espinosa, E. 300 (1999) 745

Morokov, Yu., see Meleshko, V. 300 (1999) 118

Nachtigallová, D., see Slavíček, P. 300 (1999) 561

Nagy, J.B., see Ahlskog, M. 300 (1999) 202

Nakabayashi, S., D.A. Tryk, A. Fujishima and N. Ohta, Electrochemical reduction of Cu²⁺ without surface trapping on synthetic conductive diamond electrodes 300 (1999) 409

Nakahara, H., see Sueki, K. 300 (1999) 140

Nakajima, T. and H. Nakatsuji, Second-order perturbative approximation to the SAC/SAC-CI method	300 (1999) 1
Nakatsuji, H., see Nakajima, T.	300 (1999) 1
Nakayama, K., K. Hirao and R. Lindh, Different bases for different correlation effects: multireference Møller-Plesset perturbation theory in the extended basis function space	300 (1999) 303
Neville, J.J., T. Tyliszczak, A.P. Hitchcock, A. Jürgensen and R.G. Cavell, P 1s spectroscopy of SPF_3 : spectral assignments aided by angle-resolved photodissociation	300 (1999) 451
Nguyen, H.M.T., see Nguyen, M.T.	300 (1999) 346
Nguyen, M.T. and H.M.T. Nguyen, On the heats of formation of methylketene, dimethylketene and related cations	300 (1999) 346
Nolen, S. and S.T. Ruggiero, Tunneling spectroscopy of fullerene/Ge multilayer systems	300 (1999) 656
Norwood, T.J., M.L. Tillett and L.-Y. Lian, Influence of cross-correlation between the chemical shift anisotropies of pairs of nuclei on multiple-quantum relaxation rates in macromolecules	300 (1999) 429
Ohta, N., see Nakabayashi, S.	300 (1999) 409
Ohta, T., see Terada, S.	300 (1999) 645
Ohtsuki, T., K. Masumoto, T. Tanaka and K. Komatsu, Formation of dimer, trimer, and tetramer of C_{60} and C_{70} by γ -ray, charged-particle irradiation, and their HPLC separation	300 (1999) 661
Oldenburg, S.J., see Westcott, S.L.	300 (1999) 651
Olsen, J., see Coriani, S.	300 (1999) 61
Ono, T., see Hasegawa, K.	300 (1999) 9
Oref, I., see Bernshtein, V.	300 (1999) 104
Orlov, A.Yu., see Feldman, V.I.	300 (1999) 713
Pal, S., see Vaval, N.	300 (1999) 125
Partridge, H., see Bauschlicher Jr., C.W.	300 (1999) 364
Pavese, M., D.R. Berard and G.A. Voth, Ab initio centroid molecular dynamics: a fully quantum method for condensed-phase dynamics simulations	300 (1999) 93
Peigney, A., see Flahaut, E.	300 (1999) 236
Pellizer, G., see Asaro, F.	300 (1999) 414
Piseri, P., see Barborini, E.	300 (1999) 633
Polanyi, J.C., see Zeiri, Y.	300 (1999) 523
Presilla-Márquez, J.D., J. Harper, J.A. Sheehy, P.G. Carrick and C.W. Larson, Vibrational spectra of cyclic C_8 in solid argon	300 (1999) 719
Pusel, A., see Wetterauer, U.	300 (1999) 397
Puyuelo, M.P., see González, M.	300 (1999) 603
Qin, L., see He, L.	300 (1999) 504
Qin, Q., see Wang, X.	300 (1999) 739
Quack, M., see Fehrensen, B.	300 (1999) 312
Rao, C.N.R., see Flahaut, E.	300 (1999) 236
Rao, C.N.R., see Satishkumar, B.C.	300 (1999) 473
Ricca, A., Accurate D_0 value for NF^+	300 (1999) 80
Rizzo, A., see Coriani, S.	300 (1999) 61
Robin, P., see Dupuis, B.	300 (1999) 169

Rogers, K.M., see Fowler, P.W. 300 (1999) 369

Rousset, A., see Flahaut, E. 300 (1999) 236

Ruggiero, S.T., see Nolen, S. 300 (1999) 656

Rüterjans, H., see Karimi-Nejad, Y. 300 (1999) 706

Ruud, K., see Coriani, S. 300 (1999) 61

Safi, B., K. Choho, F. De Proft and P. Geerlings, Theoretical study of the basicity of alkyl amines in vacuo and in different solvents: a density functional theory approach 300 (1999) 85

Saito, N., K. Koyama and M. Tanimoto, The stability of multiply charged vanadium, niobium and tantalum clusters 300 (1999) 262

Sakano, M., see Terada, S. 300 (1999) 645

Salvetti, G., see Tombari, E. 300 (1999) 749

Sandall, J.P.B., see Fowler, P.W. 300 (1999) 369

Sandström, D., M. Hong and K. Schmidt-Rohr, Identification and mobility of deuterated residues in peptides and proteins by ^2H - ^{13}C solid-state NMR 300 (1999) 213

Sasuga, T., see Hatanaka, K. 300 (1999) 727

Satishkumar, B.C., A. Govindaraj, K.R. Harikumar, J.-P. Zhang, A.K. Cheetham and C.N.R. Rao, Boron–carbon nanotubes from the pyrolysis of C_2H_2 – B_2H_6 mixtures 300 (1999) 473

Saue, T., see Ismail, N. 300 (1999) 296

Sawa, T., see Sueki, K. 300 (1999) 140

Sayós, R., see González, M. 300 (1999) 603

Scappini, F., see Tamassia, F. 300 (1999) 478

Schäfer, J., J. Wolfrum, R.A. Fischer and H. Sussek, Monitoring of H_yGaN_x and Ga in OMVCD of GaN, using molecular beam quadrupole and REMPI-TOF mass spectrometry 300 (1999) 152

Schäfer, R., see Bachels, T. 300 (1999) 177

Schinke, R., see Hauschmidt, J. 300 (1999) 569

Schipper, D., see Karimi-Nejad, Y. 300 (1999) 706

Schmidt-Rohr, K., see Sandström, D. 300 (1999) 213

Schmidt, Th., see Sonnleitner, M. 300 (1999) 221

Schütz, G.J., see Sonnleitner, M. 300 (1999) 221

Schweigert, V., see Meleshko, V. 300 (1999) 118

Seifert, G., see Fowler, P.W. 300 (1999) 369

Sekkat, Z., see Ishitobi, H. 300 (1999) 421

Sessler, J.L., see Shuali, Z. 300 (1999) 687

Seynaeve, E., see Ahlskog, M. 300 (1999) 202

Sheehy, J.A., see Presilla-Márquez, J.D. 300 (1999) 719

Shen, Z.X., see He, L. 300 (1999) 504

Shinohara, H., see Hino, S. 300 (1999) 145

Shinohara, H., see Wang, C.-R. 300 (1999) 379

Shiotani, M., see Komaguchi, K. 300 (1999) 257

Shuali, Z., A. Berg, H. Levanon, E. Vogel, M. Bröring, J.L. Sessler, C. Fowler and S.J. Weghorn, Photoexcited triplet-state dynamics of novel porphyrinoids: octaethylcorphycene and octaethylhemiporphycene. Time-resolved electron paramagnetic resonance study 300 (1999) 687

Sidis, V., see Jeloaica, L. 300 (1999) 157

Skinner, D.E. and W.H. Miller, Application of the semiclassical initial value representation and its linearized approximation to inelastic scattering 300 (1999) 20

Skipper, N.T., see Walters, J.K. 300 (1999) 444

Skurski, P., see Gutowski, M. 300 (1999) 331

Slavíček, P., D. Nachtigallová and P. Jungwirth, First electronically excited state of the water-argon complex: an analytical fit to the CASPT2 potential 300 (1999) 561

Smith, M.A., see Ahern, M.M. 300 (1999) 681

Sobolewski, A.L. and W. Domcke, On the mechanism of rapid non-radiative decay in intramolecularly hydrogen-bonded π systems 300 (1999) 533

Sonnleitner, M., G.J. Schütz and Th. Schmidt, Imaging individual molecules by two-photon excitation 300 (1999) 221

Soper, A.K., see Walters, J.K. 300 (1999) 444

Spiegelmann, F., see Zhang, F.S. 300 (1999) 595

Springborg, M., see Meider, H. 300 (1999) 339

Staško, A., see Brezová, V. 300 (1999) 667

Steinhurst, D.A., see Ahern, M.M. 300 (1999) 681

Sueki, K., K. Kikuchi, K. Akiyama, T. Sawa, M. Katada, S. Ambe, F. Ambe and H. Nakahara, Formation of metallofullerenes with higher group elements 300 (1999) 140

Suenaga, K., M.P. Johansson, N. Hellgren, E. Broitman, L.R. Wallenberg, C. Colliex, J.-E. Sundgren and L. Hultman, Carbon nitride nanotubulite – densely-packed and well-aligned tubular nanostructures 300 (1999) 695

Sukhov, F.F., see Feldman, V.I. 300 (1999) 713

Sundgren, J.-E., see Suenaga, K. 300 (1999) 695

Suo, Z., see Wei, X. 300 (1999) 385

Suraud, E., see Zhang, F.S. 300 (1999) 595

Sussek, H., see Schäfer, J. 300 (1999) 152

Tachikawa, H., A direct molecular orbital dynamics study on the hydrogen atom trapped in crystalline silicon 300 (1999) 577

Takada, T., H. Koizumi and T. Ichikawa, Intramolecular hydrogen transfer of excited alkyl radicals in the solid phase 300 (1999) 253

Takayanagi, T., see Komaguchi, K. 300 (1999) 257

Takeo, H., see Kodaira, T. 300 (1999) 499

Tamassia, F., R. Danieli and F. Scappini, Collision-induced radio-frequency transitions in CH_3I 300 (1999) 478

Tanaka, T., see Ohtsuki, T. 300 (1999) 661

Tang, S.H., see He, L. 300 (1999) 504

Tanimoto, M., see Saito, N. 300 (1999) 262

Tassotto, M., see Gannon, T.J. 300 (1999) 163

Terada, S., T. Yokoyama, M. Sakano, M. Kiguchi, Y. Kitajima and T. Ohta, Asymmetric surface structure of SO_2 on Pd(111) studied by total-reflection X-ray absorption fine structure spectroscopy 300 (1999) 645

Thoman Jr., J.W., see Francisco, J.S. 300 (1999) 553

Tillett, M.L., see Norwood, T.J. 300 (1999) 429

Tombari, E., C. Ferrari and G. Salvetti, Heat capacity anomaly in a large sample of supercooled water 300 (1999) 749

Topaler, M.S., see Zeiri, Y. 300 (1999) 523

Troya, D., see González, M. 300 (1999) 603

Truhlar, D.G., see Zeiri, Y. 300 (1999) 523

Tryk, D.A., see Nakabayashi, S. 300 (1999) 409

Tuckey, P.A., see Dubernet, M.-L. 300 (1999) 275

Tyliszczak, T., see Eustatiu, I.G. 300 (1999) 676

Tyliszczak, T., see Neville, J.J. 300 (1999) 451

Umishita, K., see Hino, S. 300 (1999) 145

Vala, M., see Lapinski, L. 300 (1999) 195

Van Deun, R., see Binnemans, K. 300 (1999) 509

Van Haesendonck, C., see Ahlskog, M. 300 (1999) 202

Van Zee, R.J. and W. Weltner Jr., ESR of the P_3^- radical: establishment of the electronic ground state 300 (1999) 243

Vaval, N. and S. Pal, Molecular property calculations for excited states using a multireference coupled-cluster approach 300 (1999) 125

Verhagen, R., see Kentgens, A.P.M. 300 (1999) 435

Vittadini, A., see Casarin, M. 300 (1999) 403

Vogel, E., see Shuali, Z. 300 (1999) 687

Voth, G.A., see Pavese, M. 300 (1999) 93

Vullers, R.J.M., see Ahlskog, M. 300 (1999) 202

Wadi, H. and L. Wiesenfeld, A fully geometrical analysis of indirect reactive scattering 300 (1999) 37

Wallenberg, L.R., see Suenaga, K. 300 (1999) 695

Walters, J.K., N.T. Skipper and A.K. Soper, The interlayer structure of a graphite–potassium–ammonia intercalation compound by neutron diffraction 300 (1999) 444

Wang, B., H. Hou and Y. Gu, Features of the potential energy surface for the decomposition of CH_3OF 300 (1999) 99

Wang, C.-R., M. Inakuma and H. Shinohara, Metallofullerenes $Sc_2@C_{82}$ (I, II) and $Sc_2@C_{86}$ (I, II): isolation and spectroscopic studies 300 (1999) 379

Wang, G.-J., see Zhang, H. 300 (1999) 483

Wang, N., see Lu, X. 300 (1999) 109

Wang, P., see Wei, X. 300 (1999) 385

Wang, X., H. Dang, Z. Gu and Q. Qin, A new hypermetallic molecule $LaOMn$ generated by laser ablation 300 (1999) 739

Watson, P.R., see Gannon, T.J. 300 (1999) 163

Weghorn, S.J., see Shuali, Z. 300 (1999) 687

Wei, X., C. Hu, Z. Suo, P. Wang, W. Zhang, Z. Xu and E.C. Alyea, Solid state ^{13}C NMR and optical non-linearities study of C_{60} trimethylenediamine adducts 300 (1999) 385

Weiß, J., see Hauschmidt, J. 300 (1999) 569

Weltner Jr., W., see Van Zee, R.J. 300 (1999) 243

Westcott, S.L., S.J. Oldenburg, T.R. Lee and N.J. Halas, Construction of simple gold nanoparticle aggregates with controlled plasmon–plasmon interactions 300 (1999) 651

Wetterauer, U., A. Pusel and P. Hess, VUV photodesorption of molecular hydrogen from the hydrogenated silicon(111) surface 300 (1999) 397

Wiesen, P., see Becker, K.H. 300 (1999) 460

Wiesenfeld, L., see Wadi, H. 300 (1999) 37

Wolfrum, J., see Schäfer, J. 300 (1999) 152

Wong, M.W., see Flammang, R. 300 (1999) 183

Xu, X., see Lu, X. 300 (1999) 109
 Xu, Z., see Wei, X. 300 (1999) 385

Yamataka, H., M. Aida and M. Dupuis, One transition state leading to two product states: ab initio molecular dynamics simulations of the reaction of formaldehyde radical anion and methyl chloride 300 (1999) 583

Yokojima, S. and G.H. Chen, Linear-scaling localized-density-matrix method for the ground and excited states of one-dimensional molecular systems 300 (1999) 540

Yokoyama, T., see Terada, S. 300 (1999) 645

Yoon, M.-C., Y.S. Choi and S.K. Kim, The OH production from the $\pi-\pi^*$ transition of acetylacetone 300 (1999) 207

Yoshimori, A., see Jigato, M.P. 300 (1999) 639

Zeiri, Y., G. Katz, R. Kosloff, M.S. Topaler, D.G. Truhlar and J.C. Polanyi, Quantum mechanism in the photodissociation of NaFH complex: a challenge to semiclassical analysis 300 (1999) 523

Zerbetto, F., see Fowler, P.W. 300 (1999) 369

Zhan, L.X., see Zhang, Y.C. 300 (1999) 27

Zhang, F.S., E. Suraud, F. Calvo and F. Spiegelmann, Vibrational properties of sodium microclusters 300 (1999) 595

Zhang, H., R. Zhu, G.-J. Wang, K.-L. Han, G.-Z. He and N.-Q. Lou, Photofragment translational spectroscopy of *p*-bromotoluene at 266 nm 300 (1999) 483

Zhang, J.-P., see Satishkumar, B.C. 300 (1999) 473

Zhang, J.Z.H., see Zhang, Y.C. 300 (1999) 27

Zhang, Q., see Lu, X. 300 (1999) 109

Zhang, Q.G., see Zhang, Y.C. 300 (1999) 27

Zhang, W., see Wei, X. 300 (1999) 385

Zhang, Y.C., L.X. Zhan, Q.G. Zhang, W. Zhu and J.Z.H. Zhang, Quantum wavepacket calculation for the ion molecule reaction $N^+ + H_2 \rightarrow NH^+ + H$ 300 (1999) 27

Zhu, R., see Zhang, H. 300 (1999) 483

Zhu, W., see Zhang, Y.C. 300 (1999) 27

